

AS-200/200L

NAKAMURA-TOME
PRECISION INDUSTRY CO.,LTD.

World Leader in
Cost Performance!

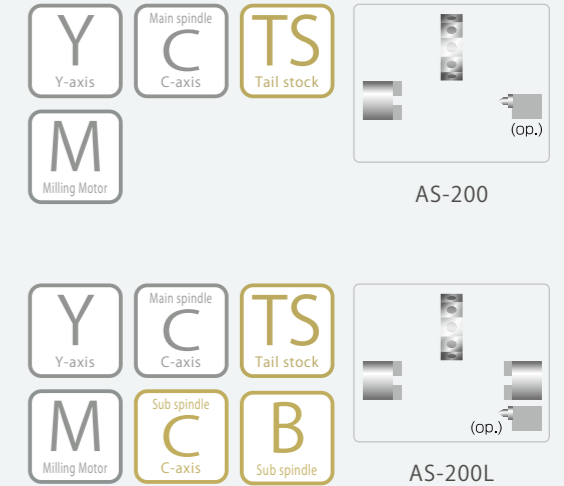
Innovative
Technology

~ Creating new values ~

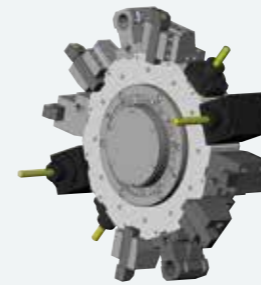
AS-200 AS-200L

This compact single-Turret machine with an 8-inch chuck and high cutting capabilities, can handle a wide range of applications from turning to milling.
This multitasking machine is simple, easy to use, and cost-effective.

- Space-saving multitasking machine with Y-axis & Milling function(standard)
- With Y-axis! Stroke: 82mm(±41mm)
With Milling function: 5.5/3.7kW, spindle speed: 6,000min⁻¹
- X-axis: 24m/min, Z-axis: 36m/min, Y-axis: 6m/min
- Turret: Dodecagonal drum turret(max.24 stations) or 15 stations
- Number of milling tool (Dodecagonal drum turret): 12
Number of milling tool (15 stations turret): 15
- Floor space 1,655mm × 1,665mm(AS-200)
2,716mm × 1,805mm (AS-200L)

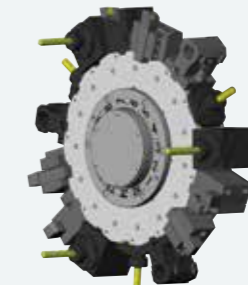


Stable Accuracy Ensured AS-200



12 / 24 stations turret

Turret type : Dodecagonal
 Number of tools : 24
 Number of indexing pos. : 24
 Number of milling stations: 12
 Milling spindle speed : 6,000min⁻¹
 O.D. turning tools : 20/25mm
 I.D. Boring : dia.32mm
 Collet diameter of driven tools : φ1-16mm
 Tool swing diameter : 620mm
 Max. turning diameter : 290mm



15 stations turret

Turret type : 15-station turret
 Number of tools : 15
 Number of indexing pos. : 15
 Number of milling stations : 15
 Milling spindle speed : 6,000min⁻¹
 O.D. turning tools : 20/25mm
 I.D. Boring : dia.32mm
 Collet diameter of driven tools : φ1-16mm
 Tool swing diameter : 615mm
 Max. turning diameter : 280mm

L-spindle

Standard

Bar capacity φ 65mm
 Spindle motor 15/11kW
 4,500min⁻¹

Option

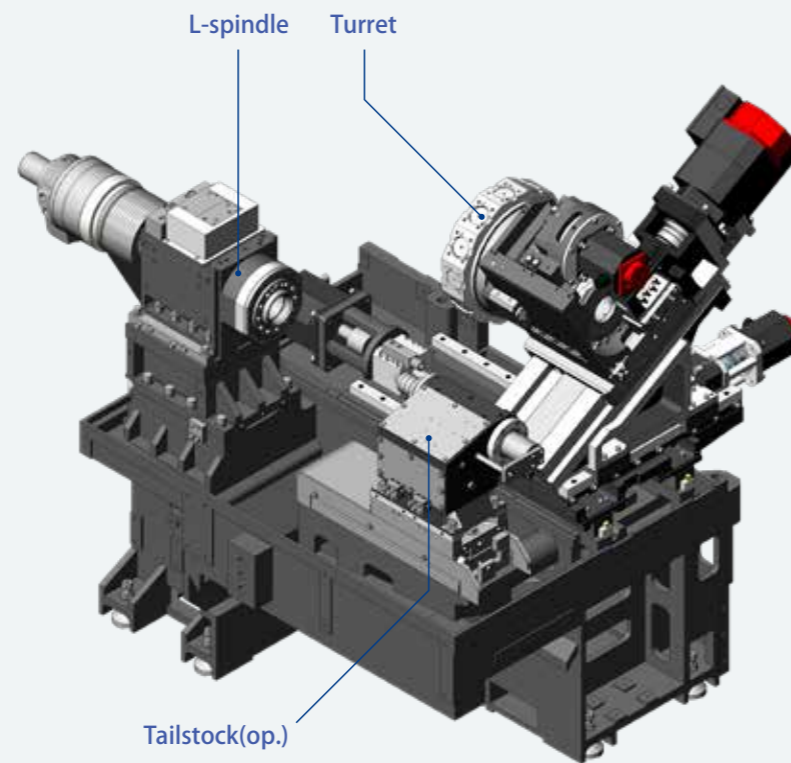
Bar capacity φ 71mm

Option

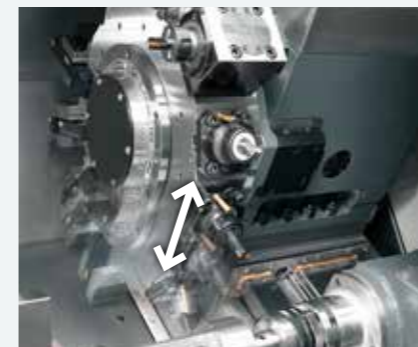
Spindle motor 15/11kW
 (High torque)
 4,500min⁻¹

Option

Spindle motor 15/11kW
 (High torque)
 3,000min⁻¹

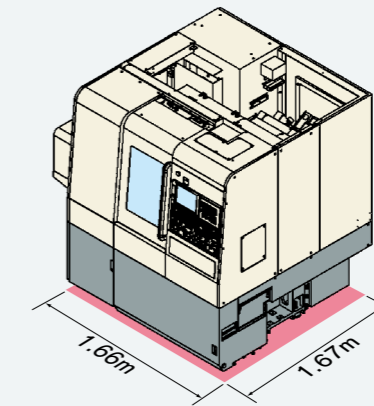


Y-axis slide travel ± 41mm



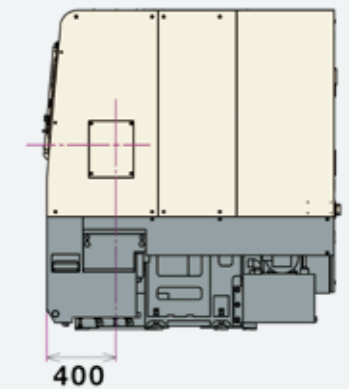
Compact!

The smallest floor space in its class



Operator Friendly,

Front distance to-spindle 400mm



Tailstock

Option

Driving system Manual
 Quill taper MT-4(Rotating center)
 Quill diameter φ 70mm
 Quill stroke 80mm

Larger window ensures better visibility



Eco-friendly: Energy Saving Functions

- 1 Hyd. and Lub. pump motor stop except during auto operation.
- 2 Servo power off except during auto operation
- 3 Power control box cooling fan stops except during auto operation.
- 4 Motor fan stops except during auto operation
- 5 Energy saving mode for each axes acc. / dec.
- 6 Standard chip conveyor intermittent timer.(op.)
- 7 Work light off function
- 8 LCD back light off function
- 9 Inverter type Hyd. Pump unit (op.)

Stable Accuracy Ensured AS-200L

L-spindle

Standard

Bar capacity ϕ 65mm
Spindle motor 15/11kW
4,500min⁻¹

Option

Bar capacity ϕ 71mm

Option

Spindle motor 15/11kW
(High torque)
4,500min⁻¹

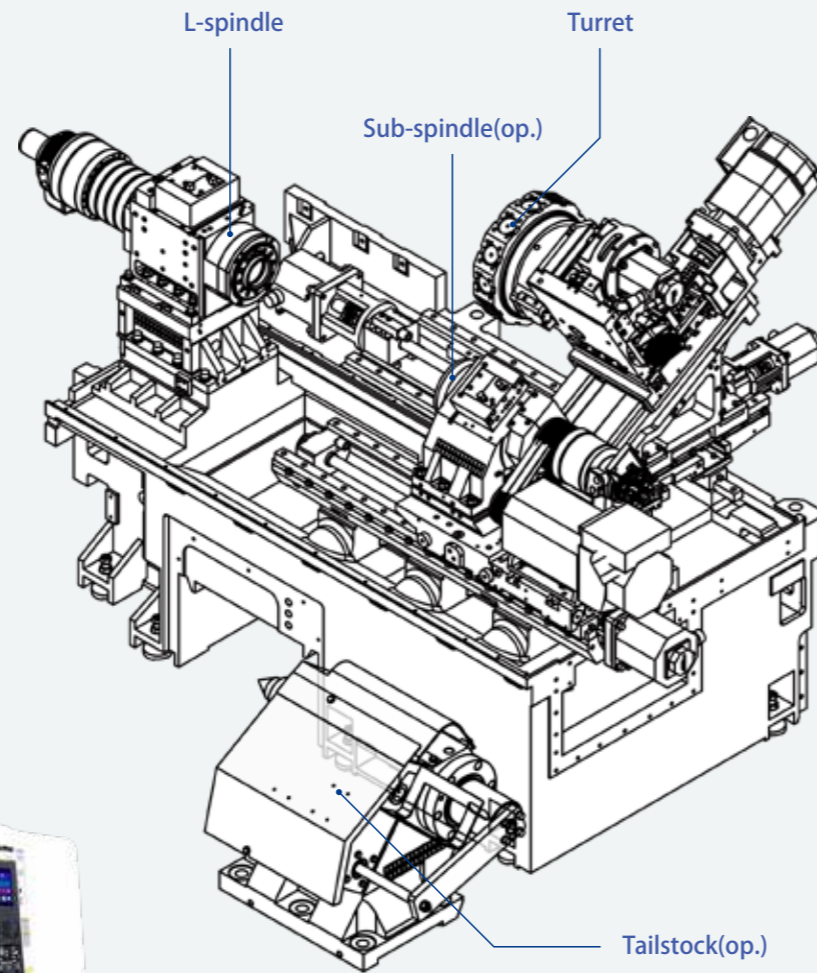
Option

Spindle motor 15/11kW
(High torque)
3,000min⁻¹

Sub-spindle

Option

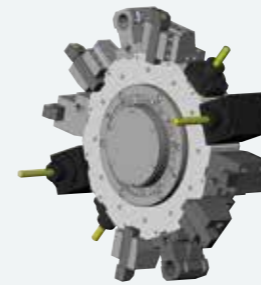
Bar capacity ϕ 42mm
Spindle motor 7.5/5.5kW
6,000min⁻¹



Tailstock

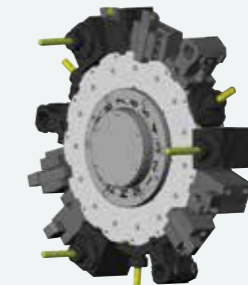
Option

Driving system Manual
Quill taper MT-4(Rotating center)
Quill diameter ϕ 80mm
Quill stroke 80mm



12 / 24 stations turret

Turret type : Dodecagonal
Number of tools : 24
Number of indexing pos. : 24
Number of milling stations : 12
Milling spindle speed : 6,000min⁻¹
O.D. turning tools : 20/25mm
I.D. Boring : dia.32mm
Collet diameter of driven tools : ϕ 1-16mm
Tool swing diameter : 620mm
Max. turning diameter : 290mm



15 stations turret

Turret type : 15-station turret
Number of tools : 15
Number of indexing pos. : 15
Number of milling stations : 15
Milling spindle speed : 6,000min⁻¹
O.D. turning tools : 20/25mm
I.D. Boring : dia.32mm
Collet diameter of driven tools : ϕ 1-16mm
Tool swing diameter : 615mm
Max. turning diameter : 280mm

Y-axis slide travel \pm 41mm



Larger window ensures better visibility

Eco-friendly: Energy Saving Functions

- 1 Hyd. and Lub. pump motor stop except during auto operation.
- 2 Servo power off except during auto operation
- 3 Power control box cooling fan stops except during auto operation.
- 4 Motor fan stops except during auto operation
- 5 Energy saving mode for each axes acc. / dec.
- 6 Standard chip conveyor intermittent timer.(op.)
- 7 Work light off function
- 8 LCD back light off function
- 9 Inverter type Hyd. Pump unit (op.)

AS-200

■ Capacity		12/24 stations turret	15 stations turret
Max swing bed		400mm	
Max. turning diameter		290mm	280mm
Distance between centers	Tailstock	427mm	
Max. turning length		300mm	
Bar capacity		65mm / 71mm (op.)	
Chuck size		8"	
■ Axis travel / Rapid feed			
X-Axis slide travel / X-Axis rapid feed rate		202.5mm / 24m/min	212.5mm / 24m/min
Z-Axis slide travel / Z-Axis rapid feed rate		320mm / 36m/min	
Y-Axis slide travel / Y-Axis rapid feed rate		±41mm / 6m/min	
■ Main spindle			
Spindle speed		4,500min ⁻¹ / 3,000min ⁻¹ (op.)	
Spindle speed range		Stepless	
Spindle nose		A2-6	
Hole through spindle		80mm	
I.D. of front bearing		110mm	
Hole through draw tube		66mm / 72mm (op.)	
■ Turret			
Type of turret head		Dodecagonal drum turret	15 stations turret
Number of Tool stations		12 (Max.24)	15
Number of Indexing positions		24	15
Tool size (square shank)		□20mm, □25mm	
Tool size (round shank)		φ32mm	
■ Milling			
Rotary system		Individual rotation	
Milling spindle speed		6,000min ⁻¹	
Spindle speed range		Stepless	
Number of milling stations		12	15
Tool size		Straight holder φ1mm ~ φ16mm Cross holder φ1mm ~ φ16mm	
■ Tailstock (op.)			
Driving System		Manual	
Quill diameter		φ70mm	
Quill taper		MT-4 (Rotating center)	
Quill stroke		80mm	
Travel		200mm	
■ Drive motor			
Main spindle	Standard	15/11kW 125/69N·m 4,500min ⁻¹	
	Option	15/11kW(High torque) 258/218N·m 4,500min ⁻¹	
	Option	15/11kW(High torque) 151/83N·m 3,000min ⁻¹	
Sub spindle (op.)		-	
Milling		5.5/3.7kW	
■ General			
Machine height		1,852mm	
Floor space(L × W)		1,655mm × 1,665mm	
Machine weight		4,500kg	
Power supply		19.8kVA	

AS-200L

■ Capacity		12/24 stations turret	15 stations turret
Max swing bed		400mm	
Max. turning diameter		290mm	280mm
Distance between centers	Tailstock	760mm	
Distance between spindles	Sub spindle	800mm	
Max. turning length		570mm	
Bar capacity		65mm / 71mm (op.)	
Chuck size		8"	
■ Axis travel / Rapid feed			
X-Axis slide travel / X-Axis rapid feed rate		202.5mm (Sub spindle:190mm) / 24m/min	212.5mm (Sub spindle:200mm) / 24m/min
Z-Axis slide travel / Z-Axis rapid feed rate		585mm / 36m/min	
Y-Axis slide travel / Y-Axis rapid feed rate		±41mm / 6m/min	
■ Main spindle			
Spindle speed		4,500min ⁻¹ / 3,000min ⁻¹ (op.)	
Spindle speed range		Stepless	
Spindle nose		A2-6	
Hole through spindle		80mm	
I.D. of front bearing		110mm	
Hole through draw tube		66mm / 72mm (op.)	
■ Turret			
Type of turret head		Dodecagonal drum turret	15 stations turret
Number of Tool stations		12 (Max.24)	15
Number of Indexing positions		24	15
Tool size (square shank)		□20mm, □25mm	
Tool size (round shank)		φ32mm	
■ Milling			
Rotary system		Individual rotation	
Milling spindle speed		6,000min ⁻¹	
Spindle speed range		Stepless	
Number of milling stations		12	15
Tool size		Straight holder φ1mm ~ φ16mm Cross holder φ1mm ~ φ16mm	
■ Tailstock (op.)			
Driving System		Manual	
Quill diameter		φ80mm	
Quill taper		MT-4 (Rotating center)	
Quill stroke		80mm	
Travel		435mm	
■ Sub spindle (op.)			
Spindle speed		6,000min ⁻¹	
Spindle speed range		Stepless	
Spindle nose		A2-5	
Hole through spindle		56mm	
I.D. of front bearing		80mm	
Hole through draw tube		43mm	
■ Drive motor			
Main spindle	Standard	15/11kW 125/69N·m 4,500min ⁻¹	
	Option	15/11kW(High torque) 258/218N·m 4,500min ⁻¹	
	Option	15/11kW(High torque) 151/83N·m 3,000min ⁻¹	
Sub spindle (op.)		7.5/5.5kW	
Milling		5.5/3.7kW	
■ General			
Machine height		1,935mm	
Floor space(L × W)		2,716mm × 1,805mm (Standard)	
		3,160mm × 1,805mm (Sub spindle)	
Machine weight		5,500kg	
Power supply		19.8kVA (Standard) 23kVA(Sub spindle)	



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